

Supplementary Table.1: Primers for direct Sanger sequencing

	Forward	Reverse
SDHA		
exon1	gccccgctcgactcc	tctactaaggaccgagctccccg
exon2	acagtttgcaaggggaaa	cataacagatacaagtaaaaatgta
exon3	agggtcggaatgtgccacc	ggccatgtggctggagcagg
exon4	gcctggaagacaaagttggc	catataatgcatagttcataacggaa
exon5	tcttttccggtatgaactatgc	cgctgcatgcgccccacgct
exon6	ctgccttgtctgtactgctc	caaggcctgtgtctaaaccgt
exon7	tgccattctgtgatctcacc	agttaggacctgagagctga
exon8	gccttctgcttatcttttctctt	taagagaggtggctgtgcacatgc
exon9	cacactccaagatgacgtat	tgcgaggtgggccccgctc
exon10	tttagtagagatgggggttcaccg	gactctgaaggtgaggtgttgaa
exon11	tgagtggctgtgctacatgtttg	ggccaggtatgcagccct
exon12	tcctaattttctgtttaattatg	ggttgtggctttatagctgt
exon13	gggtcctggcccacagcta	acttttggggcaacgaaag
exon14	gctctgttagagtaataagaaac	gaagcccgactgctgtcg
exon15	gaatcttaaagttcacatgcca	ggcaagctcccagccacta

	Forward	Reverse
SDHB		
exon1	tacgcggctagtgggtcct	aactcacaagctgctgcgag
exon2	tggatattgaatgcctgcctt	aaggatgtgaaaagcatgtccc
exon3	ctgagaagaccaaagtgataag	cagcaagttcaccagcagag
exon4	gcaggactgattccggatatg	gtggtcctcctcctgccaat
exon5	ggcttctgcctggcatagag	gttcctgccaagccacact
exon6	ggcactttgtcatgcactga	caatgaaggaaaccaggccc
exon7	tgagttgagccaggggtcc	gcccctaggctcacactgaaa
exon8	caaccctatggtttgagggga	tgctgtattcatggaaaaccaagat

	Forward	Reverse
VHL		
exon1	cgaagactacggaggaggtcga	ggtagaggggcttcagac
exon2	agggtgtggccaccgtg	ttcaaggtgtctatcctgac
exon3	ttcctgtactgagaccctagt	catcagtaccatcaaaagct